IN THE CLAIMS

1-46 (canceled)

47. (new) A partial fragmentation projectile comprising a hard penetrating core and fragmenting soft core having a cavity therein to receive the hard penetrating core, wherein the hard penetrating core penetrates said fragmenting soft core upon impact; wherein the hard penetrating core is made of a material that is harder than that of the fragmenting soft core and, as seen in the direction of the trajectory of the projectile, is arranged in front of said fragmenting soft core, wherein said fragmenting soft core and said hard penetrating core are completely surrounded by a jacket lying entirely on the periphery of the partial fragmentation projectile, wherein the shape of a rear of said hard penetrating core and the shape of the nose of said fragmenting soft core are harmonized with the fragmentation characteristics required for the projectile, depending on the caliber and impact speed and the nature of the quarry.

48. (new) A partial fragmentation projectile according to claim 47, wherein a nose of said fragmenting soft core has a recess which is arranged centered on the midline of the projectile.

49. (new) A partial fragmentation projectile according to claim 48, wherein said recess in said fragmenting soft core is conical, depression-shaped or bell-shaped.

50. (new) A partial fragmentation projectile according to claim 49, wherein said recess in said fragmenting soft core is conical recess having a tip angle, wherein the tip angle of the conical recess is between 30° and 90°.

51. (new) A partial fragmentation projectile according to claim 48, wherein a cavity adjoins said recess in said fragmenting soft core, which is arranged centered on the midline of the projectile.

52. (new) A partial fragmentation projectile according to claim 51, wherein said cavity extends inwards for not more than ¾ of the length of said fragmenting soft core of the projectile.

53. (new) A partial fragmentation projectile according to claim 48, wherein said

recess in said fragmenting soft core is surrounded by a circular annular surface and that this circular annular surface is perpendicular to the midline of the partial fragmentation projectile.

54. (new) A partial fragmentation projectile according to claim 47, wherein the shape of the rear of said hard penetrating core is matched to the respective shape of the recess of fragmenting soft projectile core.

55. (new) A partial fragmentation projectile according to claim 54, wherein the rear of said hard penetrating core matched to the nose of said fragmenting soft core is surrounded by a circular annular surface and that this circular annular surface is perpendicular to the midline of the partial fragmentation projectile.

56. (new) A partial fragmentation projectile according to claim 47, wherein said hard penetrating core is made of lead free materials.

57. (new) A partial fragmentation projectile according to claim 56, wherein the nose of said hard penetrating core is designed as a flat head or with a hole at a tip of said hard penetrating core.

58. (new) A partial fragmentation projectile according to claim 47, wherein a tip of the projectile has a shape matched to required flight characteristics.

59. (new) A partial fragmentation projectile according to claim 58, further comprising a projectile cover in the form of a cap.

60. (new) A partial fragmentation projectile according to claim 58, wherein the projectile has a solid tip.

61. (new) A partial fragmentation projectile according to claim 60, wherein the solid tip has a shaft on the rear side which extends into the hard penetrating core.

62. (new) A partial fragmentation projectile according to claim 60, wherein the projectile comprises a biodegradable plastic.

63. (new) A partial fragmentation projectile according to claim 47, wherein the

projectile has a sharp edge.

64. (new) A partial fragmentation projectile according to claim 63, wherein the sharp edge is formed by a crimping in the jacket of the projectile at the transition point between the hard penetrating core and said fragmenting soft core.

65. (new) A partial fragmentation projectile according to claim 47, wherein the thickness of a wall of the jacket of the projectile decreases from a rear of the projectile to a sharp edge thereof.

66. (new) A partial fragmentation projectile according to claim 47, wherein the thickness of a wall of projectile jacket in a narrowing part of the projectile is less than in a cylindrical part.

67. (new) A partial fragmentation projectile according to claim 67, wherein the projectile consists of a lead-free material.

68. (new) A partial fragmentation projectile according to claim 67, wherein said lead free material is selected from the group consisting of a plastic, a synthetic resin, and a metallic material selected from the group consisting of copper, tin, zinc, iron, tungsten, silver, aluminum, tantalum, vanadium and an alloy of the metallic materials.

69. (new) A partial fragmentation projectile comprising;

a penetrator core having a conical rear end that tapers to a point;

a soft core made of a softer material than said penetrator core; wherein said soft core has a tapered bore with a conical pattern at a nose of said soft core to hold said conical rear end of said penetrator core; said tapered bore having a narrower cavity;

a ring shaped surface surrounding said tapered boring; and

a jacket in contact with said conical rear and said ring shaped surface.

70. (new) A partial fragmentation projectile according to claim 69, wherein said bore is arranged centered on the midline of the projectile.

71. (new) The partial fragmentation projectile of claim 69, wherein said penetrator core has a hollow tip at an end opposite said conical rear.

72. (new) The partial fragmentation projectile of claim 71, wherein a solid tip is positioned in said hollow tip of said penetrator core.

73. (new) The partial fragmentation projectile of claim 69, wherein a crimping is pressed into said jacket at a point where a part of said conical rear of said penetrator core projects from said soft core.